

**POLYGLYCEROL AND LACTOSE COMPOSITIONS FOR THE  
PROTECTION OF LIVING SYSTEMS FROM STATES OF  
REDUCED METABOLISM**

**Abstract of the Disclosure**

5                   Polyglycerol, lactose, and a combination of polyglycerol and lactose are effective at preserving cells, tissues, and organs from damage due to hypothermic, ischemic, or other metabolic impairment, and a mixture of polyglycerol plus lactose is particularly useful for the hypothermic storage of cells, tissues, and organs. The mixture of polyglycerol and lactose can be further improved by the addition of chondroitin sulfate, 10 chlorpromazine, calcium, citrate, glutathione, adenine, glucose, magnesium, and a pH buffer.

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